

ATTACHMENT I

Cost Benefit Analysis for DCLS Laboratory Information Management System

Anticipated savings through cost avoidance - \$475,200:

- Continued operation of current LIMS would necessitate the hiring of 2 software programmers @ \$80,600 ea (includes fringe benefits). Total \$161,200.
- Customers such as DEQ and VDACS could potentially reduce data entry support staff by at least 10 FTE @ average of \$31,400 ea (includes fringe benefits). Total \$314,000.

Anticipated benefits through productivity efficiencies - \$288,140:

- Researching results by data entry and scientific staff – 33.3 hrs per day @ average of \$22.50 per hour (includes fringe benefits) x 205 average workdays annually. Total \$153,596
- Directors and management staff hours gathering data, and compiling results. 10 hrs per day @ average of \$40.00 per hour (includes fringe benefits) = \$400 daily x 205 average workdays annually. Total \$82,000.
- Quality Control and Quality Assurance data analysis time savings for scientists, senior scientists, and principal scientists. 1,642 total staff hours @ average of \$32.00 per hour (including fringe benefits). Total \$52,544

Total anticipated cost benefit - \$763,340

Estimated Return on Investment Analysis

	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Cumulative Total
Total Costs	783,560	298,000	250,000	250,000	250,000	1,831,560
Total Benefits	-	63,611	763,340	763,340	763,340	2,353,631
Net Benefits	(783,560)	(234,389)	513,340	513,340	513,340	522,071

$$\text{ROI\%} \quad 522,071/1,831,560 = \quad 29\%$$